

REMARKS

Status of the Claims:

Claims 1-58, as amended, remain in the case. Claims 35-42 and 51-58 were allowed by the Examiner. Claims 31 and 47-48 were objected to, but have been amended as indicated by the Examiner so as to be allowable if rewritten. Claims 38, 51, and 56 were objected to and have been amended as indicated by the Examiner. Claims 29, 32-34, 43, and 49-50 were rejected under 35 U.S.C. 112, second paragraph and have been amended as indicated by the Examiner.

Claims 1-2, 4-6, 9, 13, 15-21, 24-28, 30, 43-44, and 46 were rejected under 35 USC 102(e) as anticipated by US patent application publication 2002/0094090 to Iino. Claim 3 was rejected as obvious over Iino in view of US patent 6,690,794 to Terao et al. Claims 7-8, 10-11, and 22 were rejected as obvious over Iino. Claims 12 and 14 were rejected under 35 USC 103 over Iino in view of “Cryptography Terminology” by EFA. Claim 23 was rejected under 35 USC 103 over Iino in view of Menezes “Handbook of Applied Cryptography.” Claims 29 and 45 were rejected under 35 USC 103 over Iino in view of Menezes “Handbook of applied Cryptography” and Barker USP 6,816,707.

After reviewing the cited prior art, the Applicants believe that there is no disclosure of the feature claimed in the Applicants’ application of creating a counter in the security element by giving a unique counter ID and initializing the counter. This is described in the application at paragraph [0034]. Claims 1, 18, 27, 28, 43, and 44 have been amended to claim this feature.

US patent application publication 2002/0094090 to Iino discloses a device that issues an electronic ticket. The electronic ticket is formed of validity data and information to be validated. The validity data includes a secret key. The information to be validated includes a public key

corresponding to the secret key. The information is validated by the validity data. However, there is no disclosure of the feature claimed in the Applicants' application of creating a counter in the security element by giving a unique counter ID and initializing the counter.

US patent 6,690,794 to Terao et al. discloses a system for issuing an electronic ticket. A ticket creating unit creates specifications of a ticket representing a service or product. A ticket issuing unit issues the corresponding ticket. A ticket proving device communicates with a ticket verification device to prove the possession of the ticket. However, there is no disclosure of the feature claimed in the Applicants' application of creating a counter in the security element by giving a unique counter ID and initializing the counter.

“Cryptography Terminology” by EFA discloses some features of digital signatures. However, there is no disclosure of the feature claimed in the Applicants' application of creating a counter in the security element by giving a unique counter ID and initializing the counter.

Menezes “Handbook of Applied Cryptography” discloses some features of public key cryptography. However, there is no disclosure of the feature claimed in the Applicants' application of creating a counter in the security element by giving a unique counter ID and initializing the counter.

Barker USP 6,816,707 discloses a debiting device to deduct toll-road tolls. However, there is no disclosure of the feature claimed in the Applicants' application of creating a counter in the security element by giving a unique counter ID and initializing the counter.

Accordingly, Applicants believe that there is no disclosure in the cited prior art, taken either singly or in combination, of the feature claimed in the Applicants' application of creating a counter in the security element by giving a unique counter ID and initializing the counter.

CONCLUSION

Based on the foregoing amendments and remarks, the Applicants respectfully request reconsideration and withdrawal of the rejection of all claims now in the case and allowance of the application.

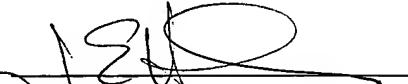
AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees that may be required for consideration of this Amendment to Deposit Account No. 13-4500, Order No. 4208-4034US2.

In the event that an extension of time is required, or which may be required in addition to that requested in a petition for an extension of time, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 13-4500, Order No. 4208-4034US2.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

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By: 

John E. Hoel
Registration No. 26,279
(202) 857-7887 Telephone
(202) 857-7929 Facsimile

Correspondence Address:

MORGAN & FINNEGAN, L.L.P.
3 World Financial Center
New York, NY 10281-2101